APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

Synthesis of Sanazine (10-Ethylphenazinone-1). Communication 1. Synthesis of Intermediate Products: o-Nitrodiphenylamine, Phenazine, and Phenazine Ethylethosulfate, by V. P. Dvornitskiy, 10 pp.
UKRAINIAN.
[illegible], per, Ukrain Khim Zhur, Vol XXIV, No 4, 1958, pp 549-555. 9057758

NIH

Sci - Med

Apr 59

84,378

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

The Photocatalytic Activation of Zinc Oxide, by A. V. Pamfilov, R. Ya. Mushii, Ya. S. Mazurkevich, 4 pp.

UKRAINIAN, per, Ukrain Khim Zhur, Vol XXIV, 1958, pp 599-601.

AEC NP-tr-320

Sci - Chem
Feb 60

107,528

SLA 60-15025

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

Voitsekhovskii, R.V. and Vovnenko, A.M.
L 'EFFET DE SUSPENSION (Suspenzionnyi Effekt) (Suspension Effect) 23p. (Foreign text included) 8refs. CNRS-VIII bis 502.
Order from OTS, ETC or CNRS $0.90 TT-62-28304

Trans. in French of Ukrainskii Khimicheskii Zhurnal (USSR), 1958, v.24, no.5, p.608-617.

DESCRIPTORS: *Colloids, pH, Determination, Electrodes.

(Chemistry--Physical, TT, v. 11, no. 7)

TT-62-28304

I. Voitsekhovskii, R.V.
II. Vovnenko, A.M.
III. CNRS-VIII bis 502
IV. Centre National de la Recherche Scientifique, Paris

Office of Technical Services
European Translations Centre

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

61-10617

Burmistrov, S. I. and Vlasova, O. Kh.
SYNTHESIS OF HERBICIDES. I. BIPHTHALATE ESTERS OF ARYLOXYETHANOLS (Sintez Gerbitsidov. I. Kislyye Ftalevokislyye Efiry Ariloksietanolov). [1960] [6]p. 4 refs.
Order from LC or SLA mi$1.80, ph$1.80 61-10617

Trans. of Ukrainskiy Khimicheskiy Zhurnal (USSR) 1958, v. 24, no. 5, p. 629-631.

Derivatives of aryloxyethanols, a series of biphthalate esters of the aryloxyethanol type $HOCOC_6H_4COOCH_2CH_2OA_2$, were synthesized.

(Agriculture--Plant Cultivation, TT, v. 5, no. 7)

1. Herbicides--Synthesis
I. Burmistrov, S. I.
II. Vlasova, O. Kh.
III. Title: Biphthalate...

148,559

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

Demchenko, P.A.
SOLUBILITÉ COLLOÏDALE, SOLUBILISATION DU TÉTRACHLORURE DE CARBONE DANS LES HYDROSOLS DES SAVONS SODIQUES D'ACIDES GRAS SATURÉS (Colloidal Solubility (Solubilization) of Carbon Tetrachloride in Hydrosols of Sodium Soaps of Saturated Fatty Acids). 6p. CNRS-VIII bis 647. Order from OTS, ETC or CNRS $1.10 TT-62-26556

Trans. in French of Ukrainskii Khimicheskii Zhurnal (USSR) 1958, v.24, no.6, p.746-748.

DESCRIPTORS: *Carbon compounds, Chlorides, Solubility, Soaps, Sodium compounds, Fatty acids, *Colloids.

(Materials, TT, v. 11, no. 9)

TT-62-26556

I. Demchenko, P.A.
II. CNRS-VIII bis 647
III. Centre National de la Recherche Scientifique, Paris

Office of Technical Services
European Translations Centre

DD

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

Tiselskiy, A. P.
INVESTIGATIONS OF A SERIES OF POLYCYCLIC THIAZOLES. 3. SYMMETRIC CARBOCYANINES FROM 2-METHYL-6-DIMETHYLAMINO-4, 5-BENZOBENZ-THIAZOLE. [1961] [16]p. 11 refs.
Order from OTS or SLA $1.60 61-14930

Trans. of Ukrainskiy Khimicheskiy Zhurnal (USSR)
1958, v. 24, no. 6, p. 749-756.

DESCRIPTORS: *Thiazoles, *Dyes, *Thiocyanines, Synthesis, Spectrographic analysis.

(Chemistry--Organic, TT, v. 6, no. 5)

61-14930

1. Tiselskiy, A. P.
11. Title: Symmetric ...

180436

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

Stability of Borides of Transition Metals to Acids and Alkalies, by K. D. Modylevskaya, G. V. Samsonov, 13 pp.

UKRAINIAN, per, Ukrain Khim Zhur, Vol XXV, 1959, pp 55-61.

CIA/FDD XX-745
NOT RELEASABLE TO FOREIGN NATIONALS

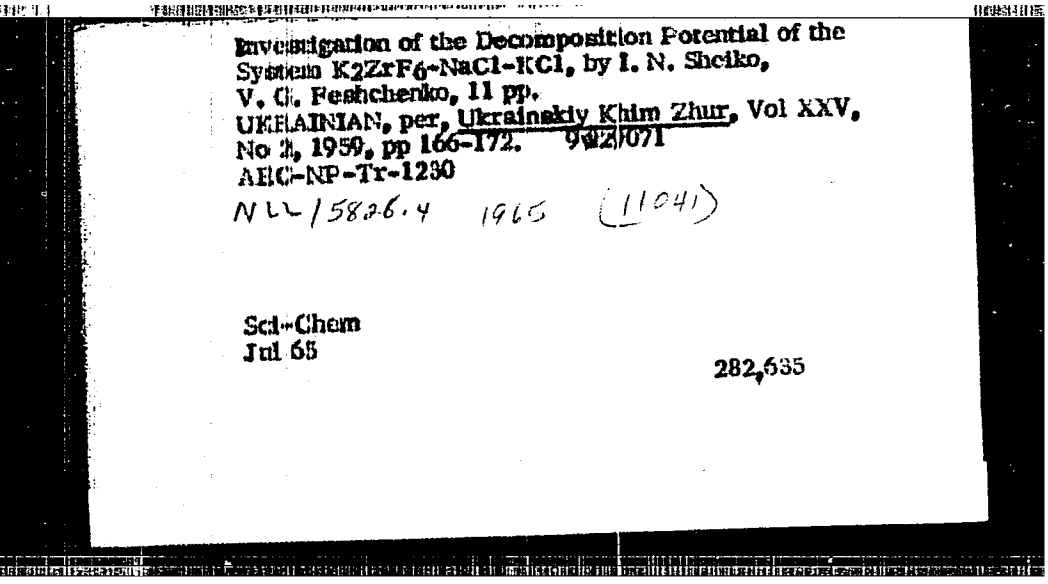
Sci - Chem
Jan 60

USIB INTERNAL USE ONLY

105,842

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0



Investigation of the Decomposition Potential of the System K_2ZrF_6-NaCl-KCl, by I. N. Sheiko, V. G. Feshchenko, 11 pp.
UKRAINIAN, per, Ukrainskiy Khim Zhur, Vol XXV, No 2, 1959, pp 166-172. 9922/071
AEC-NP-Tr-1230
NLL/582.6.4 1965 (1104)

Sci-Chem
Jul 65

282,635

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

Investigation of the Kinetics of Reactions Between Primary Aromatic Amines and Picryl Chloride in Benzene Solution, by L. M. Litvinenko, et al.

RUSSIAN, per, Ukrain Khim Zhur, Vol XXV, No 2, 1959, pp 189-195.

DSIR LLU M. 2041

Sci - Chem

170,761

Oct 61

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

Determination of Several Rare-Earth Elements by Flame Photometry, by N. S. Poluyektov, M. P. Nikonova, 14 pp.

RUSSIAN, per, Ukrain Khim Zhur, Vol XXV, 1959, pp 217-225.

AEC-tr-5291

Sci - chem

Jan 63

list 74

218,839

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

Lutskie, A. E. and Obykhova, E. M.
ON THE ISOTOPE EFFECT ON THE VISCOSITY OF LIQUIDS. [1961] [3]p. 7 refs.
Order from OTS or SLA $1.10 61-27879

Trans. of Ukrain[skii] Khim[icheskii] Zhur[nal] (USSR) 1959, v. 25, p. 274-275.

DESCRIPTORS: *Deuterated compounds, Water, Heavy water, Butanols, Acetic acid, Acids, Propanols, Viscosity, Temperature, Deuterium, Hydrogen, Liquids, Molecular structure, Physical properties.

Objections are raised to some of the conclusions drawn by S. D. Ravikovich and V. P. Solomko (Ukrain. Khim. Zhur. 24: 7-12, 1958; available in translation from OTS or SLA $1.10 as 61-27801) from their experimental data.

(Chemistry--Physical, TT, v. 7, no. 7)

61-27879

I. Lutskie, A. E.
II. Obykhova, E. M.
III. Translations, New York

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

State Diagrams of Binary Salt Systems. 5. $TiCl_3$ - NaCl, $TiCl_3$ - KCl, $TiCl_3$ - RbCl, $TiCl_3$ - CsCl, by B. F Markov, R. V. Chernov, 9 pp.

UKRAINIAN, per, Ukrain Khim Zhur, Vol XXV, 1959, pp 279-284.

AEC Tr-4357

Sci
Aug 61

163,779

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

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The Formation of Ferrites in the Aging of Metal Hydroxides, by V. P. Chalyi, 4 pp.

UKRAINIAN, per, Ukrain Khim Zhur, Vol XXV, 1959, pp 285-287,

AEC Tr-3991

Sci - Chem
May 60

117,472

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

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Application of the Agar-Agar Electrophoretic Method to Isolation of Soluble Proteins in Nerve Tissue, by A. V. Palladin, N. M. Polyakova, 11 pp.
RUSSIAN, per, Ukrayinskiy Biokhimich Zhur, Vol 31, No 3, 1959, pp 307-311.
@GSTI TT-64-19543

321,671

Sci - B&M
Mar 67

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

Production of Metal Hydroxides and Silica Gels of Different Porosities and an Investigation of Their Adsorption Properties, by I. E. Neimark, M. A. Piontkovskaya.

UKRAINIAN, per, Ukrains'kii Khimicheskii Zhurnal, No 3, 1959, pp 322-325.

DSIR LLU RTS 1556

Sci - Chem

128,844

Oct 60

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

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Steric Hindrance in Cyanine Dyes Containing Alkyl Groups in Polymethine Chain, by A. I. Kiprianov, A. I. Tolmachev, 9 pp.

RUSSIAN, per, Ukrain Khim Zhur, Vol XXV, No 3, 1959, pp 337-343.

CIA/FDD XX-1152
NOT RELEASABLE TO FOREIGN NATIONALS

198,433

Sci

May 62

USIB INTERNAL USE ONLY

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

Chloromethylation of Toluene and Chlorobenzene, by L. B. Rapp, K. A. Kornev.

UKRAINIAN, per, Ukrain Khim Zhur, Vol XXV, 1959, pp 351-353.

OTS 60-16576

Sci - Chem

Nov 60

132,291

Vol IV, No 4

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

Determination of Oxygen in Metals and Oxides Using Sulfur Monochloride S_2Cl_2III, by K. B. Kleiner, K. V. Cholomshik, 7 pp.

RUSSIAN, per, Ukrain Khim, Zhur, Vol XXV, 1959, pp 370-373. 9087638

AEC UCRL Tr-801(L)

Sci - Chem
Jun 62

203, 209

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

Production of Homogeneous Anion-Exchange Membranes, by Ya. M. Romankevich, et al.

UKRAINIAN,per, Ukrains'kii Khimicheskii Zhurnal, No 3, 1959, pp 392-394.

DSIR LLU RTS 1557

Sci - Chem

Oct 60

128,846

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

Investigation of the Adsorption of Electrolytes by Silica Gel With the Use of Radioactive Tracers, by D. N. Strazhesko, G. F. Yankovskaya.

UKRAINIAN, per, Ukrain Khimicheskii Zhurnal, No 4, 1959, pp 471-476.

DSIR LUU RTS 1558

Sci - Chem

128,716

Oct 60

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

Diffusion Precipitation Chromatography of Sulphides Using Agaroid Jelly, by N. L. Olenovich, et al.

UKRAINIAN, per, Ukrain Khimicheskii Zhurnal, No 4, 1959, pp 509-511.

DSIR LLU RTS 1559

Sci - Chem

Oct 60

128,718

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18 (NY-4509)

Third Ukrainian Republic Conference on Physical Chemistry, 7 pp.

UKRAINIAN, per, Ukrain Khim Zhur, Vol XXV, No 4, 1959, pp 553-556.

JPRS 5377

Sci - Chem

Sep 60

125,191

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

(NY-4302).

Eighth All-Union Conference on the Chemistry of Complex Compounds, 34 pp.
UKRAINIAN
[illegible], per, Ukrain Khim Zhur, Vol XXV, No 5, 1959, pp 680-691.

JPRS 5980

Sci - Chem
21 Nov 60

133,851

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

A Study of the Coloured Complexes of Some Rare-Earth Elements and Aluminon, by L. S. Serdyuk, G. P. Fedorova.

UKRAINIAN, per, Ukrains'kii Khimicheskii Zhurnal, No 5, 1959, pp 644-649.

DSIR LLU RTS 1560

128,839

Sci - Chem

Oct 60

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

The Role of Magnese in the Electrolysis of Zinc Sulphate Solutions, by Z. A. Shuka, K. F. Karlyusheva.

RUSSIAN, per, Ukrain Khim Zhur, Vol XXV, No 5, 1959, pp 668-673

MLL RTS 1270

Sci - Chem
May 63

230,603

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

17 (My-4302).

Eight All-Union Conference on the Chemistry of Complex Compounds.

UK

RUSSIAN, per, Ukrain Khim Zhur, Vol XXV, No 5, 1959, pp 680-691.

*JPRS

Sci-Chem

14 Jun 60

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

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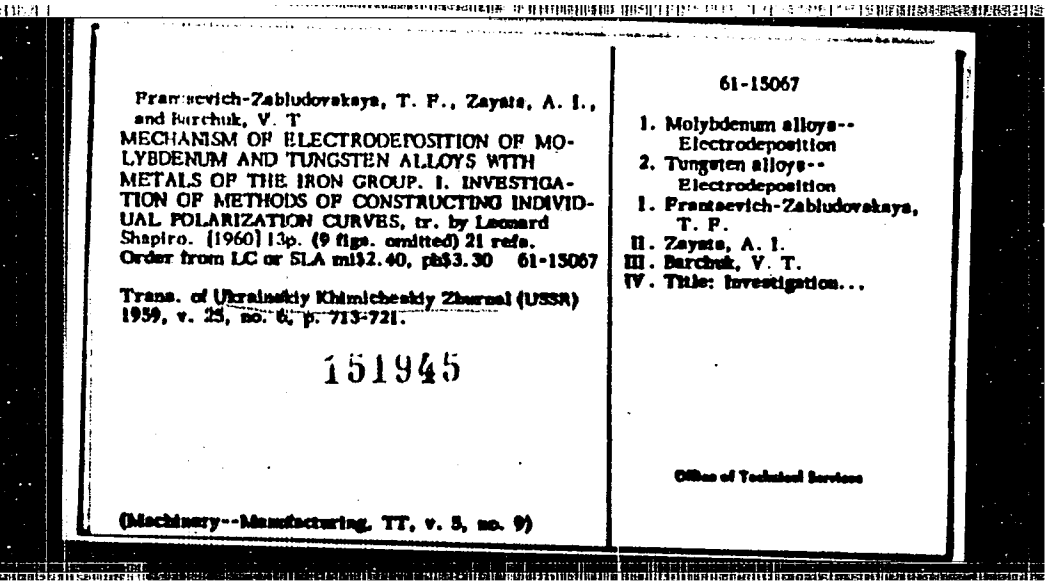

Frantsevich-Zabludovskaya, T. F., Zayats, A. I., and Barchuk, V. T
MECHANISM OF ELECTRODEPOSITION OF MOLYBDENUM AND TUNGSTEN ALLOYS WITH METALS OF THE IRON GROUP. I. INVESTIGATION OF METHODS OF CONSTRUCTING INDIVIDUAL POLARIZATION CURVES, tr. by Leonard Shapiro. [1960] 13p. (9 figs. omitted) 21 refs. Order from LC or SLA ml$2.40, ph$3.30 61-15067

Trans. of Ukrainskiy Khimicheskiy Zhurnal (USSR) 1959, v. 25, no. 6, p. 713-721.

151945

(Machinery--Manufacturing, TT, v. 5, no. 9)

61-15067

1. Molybdenum alloys--Electrodeposition
2. Tungsten alloys--Electrodeposition
I. Frantsevich-Zabludovskaya, T. F.
II. Zayats, A. I.
III. Barchuk, V. T.
IV. Title: Investigation...

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

Investigation of the Process of Thermal Dissociation of Molybdenum Hexacarbonyl. 1. Dependence of the Rate of the Heterogeneous Process on Temperature and Activation Energy, by A. A. Rozen, 6 pp.

UKRAINIAN, per, Ukrain Khim Zhur, Vol xxv, 1959, pp 735-738.

AEC Tr-4286

Sci - Chem
21 Feb 61

140, 946

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

Thiazolocarbocyanines With Aryl Radicals in Thiazole Nuclei. VII. Effect of Polar Groups in Thiazolocarbocyanines on Color, by Ye. D. Sych, 11 pp.

RUSSIAN, per, Ukrain Khim Zhur, Vol XXV, No 6, 1959, pp 767-773.

SIA 60-18950
CIA FDDX-1011

Sci

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Apr 61

146,191

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

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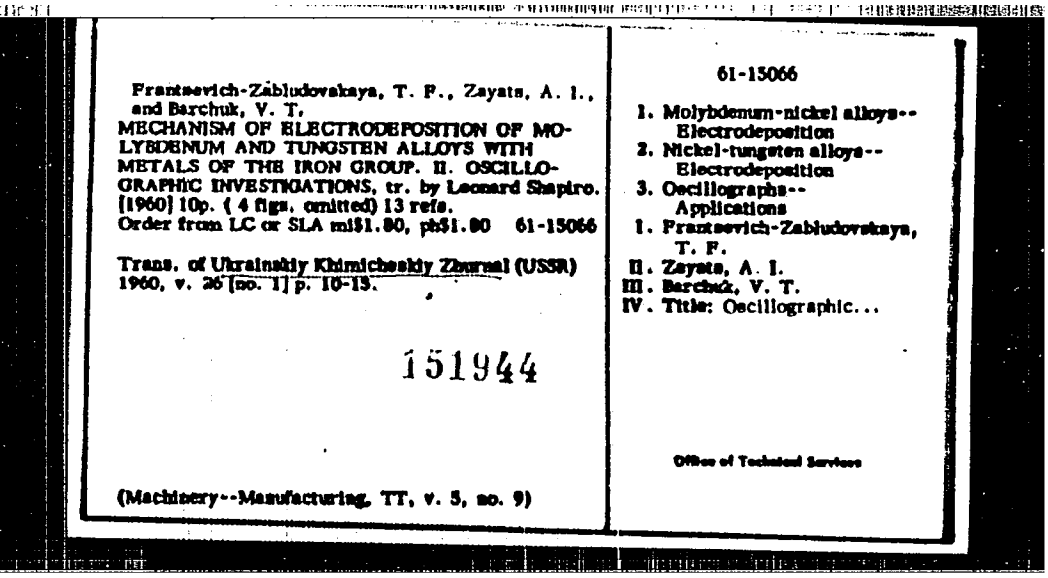

Frantsevich-Zabludovskaya, T. F., Zayats, A. I., and Barchuk, V. T.
MECHANISM OF ELECTRODEPOSITION OF MOLYBDENUM AND TUNGSTEN ALLOYS WITH METALS OF THE IRON GROUP. II. OSCILLOGRAPHIC INVESTIGATIONS, tr. by Leonard Shapiro. [1960] 10p. (4 figs. omitted) 13 refs.
Order from LC or SLA mi$1.80, ph$1.80 61-15066

Trans. of Ukrainskiy Khimicheskiy Zhurnal (USSR) 1960, v. 26 [no. 1] p. 10-13.

151944

(Machinery--Manufacturing, TT, v. 5, no. 9)

61-15066

1. Molybdenum-nickel alloys--Electrodeposition
2. Nickel-tungsten alloys--Electrodeposition
3. Oscillographs--Applications
I. Frantsevich-Zabludovskaya, T. F.
II. Zayats, A. I.
III. Barchuk, V. T.
IV. Title: Oscillographic...

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

Pyankov, V. A. and Kostyuk, A. P.
THE FORMATION OF AN OXIDE FILM ON A COPPER SURFACE. [1963] 5p (figs omitted) 7refs
Order from OTS, SLA, or ETC $1.10 TT-63-20850

Trans. of Ukrainskii Khimicheskii Zhurnal (USSR) 1960, v. 26, no. 1, p. 138-141.

DESCRIPTORS: *Copper, Copper compounds, Oxides, Films, Production, Oxygen, Oxidation.

(Chemistry--Physical, TT, v. 11, no. 9)

TT-63-20850

I. Pyankov, V. A.
II. Kostyuk, A. P.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

A Study of the Thermal Dissociation of Molybdenum Carbonyl. 2. The Effect of Temperature on the Carbon Content of the Molybdenum and Its Microhardness, by A. A. Rozen.
UKRAINIAN, per, Ukr Khim Zh, Vol 26, 1960, pp 151-157.
[redacted]-UR-5285

Sci-Materials
Mar 70

403,228

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

Aminomethylation of Certain Aromatic Compounds, by S. E. Gornostaeva, K. A. Kornev.
RUSSIAN, per, Ukrainskii Khimicheskii Zhurnal, Vol 26, No 2, 1960, pp 227-232.
ATS-17T90R

Sci-Chem
Aug 66

309,226

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

17 (DC-4113)

Sixth Ukrainian Republic Conference on Organic Chemistry, 9 pp.

UKRAINIAN, per, Ukrain Khim Zhur, Vol XXVI, No 2, 1960, pp 273-277.

JPRS 3705

Sci - Chem

Aug 60

123,067

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

Vol'fson, V. Ya., Korneychuk, G. P., and Royter, V. A.
CHARACTERISTICS OF THE CATALYTIC OXIDATION OF NAPHTHALENE. 1. KINETICS OF OXIDATION OF PHTHALIC ANHYDRIDE ON A VANADIUM OXIDE CATALYST. [1960] 9p.
Order from ATS $13.30 ATS-73M47R

Trans. of Ukrain[skiy] Khim[icheskiy] Zhur[nal] (USSR) 1960, v. 26, no. 3, p. 305-313.

151513

(Chemistry--Physical, TT, v. 5, no. 8)

61-12672

1. Naphthalenes--Oxidation
2. Vanadium oxides--Catalytic properties
3. Phthalic anhydride--Oxidation
I. Vol'fson, V. Ya.
II. Korneychuk, G. P.
III. Royter, V. A.
IV. Title: Kinetics...
V. ATS-73M47R
VI. Associated Technical Services, Inc., East Orange, N. J.

ATS -- AJ-2911

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

Slyusarov, A. T. and Gershuns, A. [P.].
SYNTHESIS OF THE GALLIC ACID ANILIDES (Sintez Anilidov Gallovoi Kisloty). [1961] 7p. 12refs. Order from OTS or SLA $1.10 61-16568

Trans. of Ukrainskii Khimicheskii Zhurnal (USSR) 1960, v. 26, no. 3, p. 364-367.

DESCRIPTORS: *Gallic acid, Anilides, Organic acid, Acids, Synthesis, Chlorides, Chemical reactions.

By the condensation of galloyl chloride with para substituted anilines nine anilides of gallic acid were obtained, seven of which are not found described in the literature. (Author)

(Chemistry--Organic, TT, v. 7, no. 8)

61-16568

I. Slyusarov, A. T.
II. Gershuns, A. P.

201396

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

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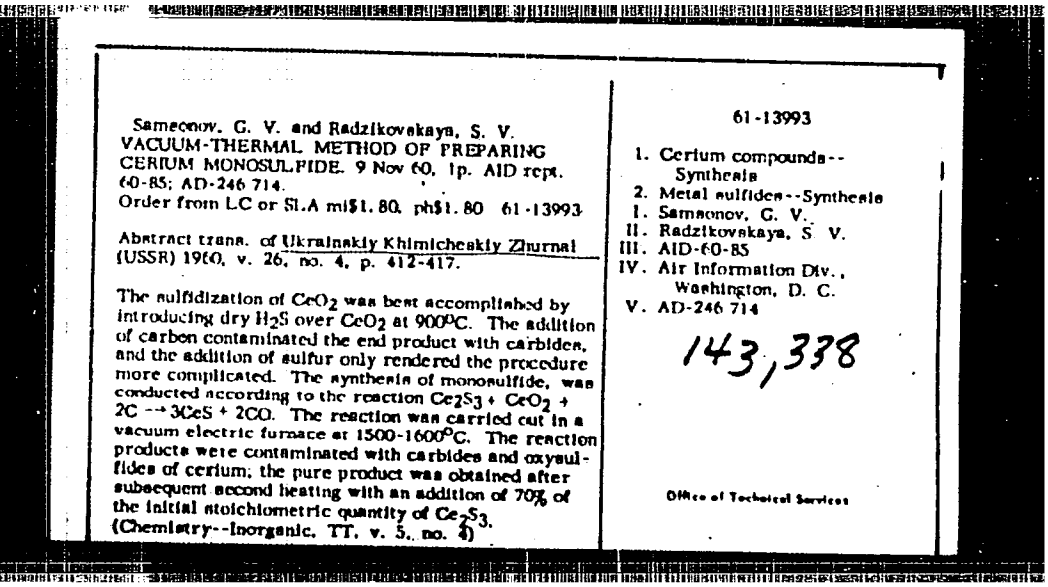

Sameonov, G. V. and Radzikovskaya, S. V.
VACUUM-THERMAL METHOD OF PREPARING CERIUM MONOSULFIDE. 9 Nov 60, 1p. AID rept. 60-85; AD-246 714.
Order from LC or Sl.A mi$1.80, ph$1.80 61-13993

Abstract trans. of Ukrainskiy Khimicheskiy Zhurnal (USSR) 1960, v. 26, no. 4, p. 412-417.

The sulfidization of CeO_2 was best accomplished by introducing dry H_2S over CeO_2 at 900°C. The addition of carbon contaminated the end product with carbides, and the addition of sulfur only rendered the procedure more complicated. The synthesis of monosulfide, was conducted according to the reaction $Ce_2S_3 + CeO_2 + 2C \rightarrow 3CeS + 2CO$. The reaction was carried out in a vacuum electric furnace at 1500-1600°C. The reaction products were contaminated with carbides and oxysulfides of cerium; the pure product was obtained after subsequent second heating with an addition of 70% of the initial stoichiometric quantity of Ce_2S_3.
(Chemistry--Inorganic, TT, v. 5, no. 4)

61-13993

1. Cerium compounds--Synthesis
2. Metal sulfides--Synthesis
I. Samsonov, G. V.
II. Radzikovskaya, S. V.
III. AID-60-85
IV. Air Information Div., Washington, D. C.
V. AD-246 714

143,338

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

Diffusion of Chromium Through Its Oxide, by
I. M. Fedorchenko, Y. B. Krmolovich,
RUSSIAN, per, Ukrainskiy Khimicheskiy Zhurnal,
Vol 26, No 4, 1960, pp 425-431.
*ABC

Sci - Materials
Jun 67

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

Korneichuk, G. P., Rolter, V. A. and others.
[CHARACTERISTICS] OF THE CATALYTIC OXIDATION OF NAPHTHALENE. II. INVESTIGATION OF THE OXIDATION OF NAPHTHALENE IN DEEP BEDS OF VANADIA CATALYSTS. [1962] 8p.
Order from ATS $13.40 ATS-46N53R

Trans. of Ukrain[skii] Khim[icheskii] Zhur[nal] (USSR) 1960, v. 26, no. 4, p. 432-439.

DESCRIPTORS: *Naphthalenes, Oxidation, Catalysis, Vanadium catalysts, Oxides.

See also ATS-73M47R

(Chemistry--Organic, TT, v. 7, no. 11)

62-12786

I. Korneichuk, G. P.
II. Rolter, V. A.
III. Title: Investigation...
IV. Title: Peculiarities of the Catalytic...
V. ATS-46N53R
VI. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

(DC-5527)

Ukrainian Republican Conference on the Industrial Use of Sorbents, 6 pp.

RUSSIAN, per; Ukrainskiy Khim Zhur, Vol XXVI, No 4, 1960, pp 540-542.

JPRS 8147

6

154, 116

Sci - Chem

May 61

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

Vol'fson, V. Ya., Korneichuk, G. P. and others. [CHARACTERISTICS] OF THE CATALYTIC OXIDATION OF NAPHTHALENE. III. KINETICS OF THE OXIDATION OF NAPHTHALENE IN DEEP BEDS OF VANADIA CATALYSTS. [1962] 6p.
Order from ATS $9.45 ATS-47N53R

Trans. of Ukrain[skii] Khim[icheskii] Zhur[nal] (USSR) 1960, v. 26, no. 5, p. 588-593.

DESCRIPTORS: *Naphthalenes, Oxidation, Catalysis, Vanadium catalysts, Oxides.

See also ATS 46N53R

(Chemistry--Organic, TT, v. 7, no. 11)

62-12787

I. Vol'fson, V. Ya.
II. Korneichuk, G. P.
III. Title: Kinetics...
IV. Title: Peculiarities of the Catalytic...
V. ATS-47N53R
VI. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

Gorokhovatskii, Ya. B. and Rubanik, M. Ya.
ELECTRONIC MECHANISM OF INTERACTION OF OXYGEN AND ETHYLENE WITH SILVER
(Elektronnyi Mekhanizm Vzaimodeistviya Kisloroda i Etilena s Serebrom) tr. by J. P. Ruban. [1962] [12]p. (foreign text included) 10 refs. [CSIRO] Trans. 5665.
Order from OTS or SLA $1.60 62-24625

Trans. of Ukrainskii Khimicheskii Zhurnal (USSR) 1960, v. 26, no. 5, p. 594-599.

DESCRIPTORS: Adsorbents, Adsorption, *Oxygen, *Ethylenes, *Silver, Catalysts, Catalysis, Electrochemistry.

By measuring the difference of the contact potential it was found that oxygen when chemically adsorbed by silver attracts silver electrons and becomes negatively charged. Ethylene is chemically adsorbed by (Chemistry--Physical, TT, v. 8, no. 4) (over)

62-24625

I. Gorokhovatskii, Ya. B.
II. Rubanik, M. Ya.
III. CSIRO Trans-5665
IV. Commonwealth Scientific and Industrial Research Organization (Australia)

CSIRO 5665

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

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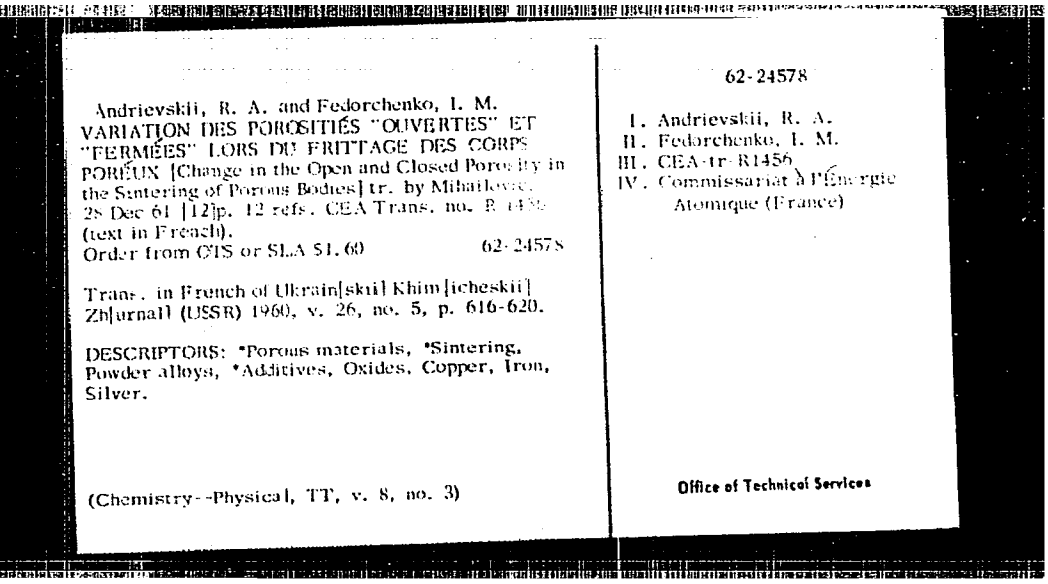

Andrievskii, R. A. and Fedorchenko, I. M.
VARIATION DES POROSITIÉS "OUVERTES" ET "FERMÉES" LORS DU FRITTAGE DES CORPS POREUX [Change in the Open and Closed Porosity in the Sintering of Porous Bodies] tr. by Mihailova, 28 Dec 61 [12]p. 12 refs. CEA Trans. no. R-1456 (text in French).
Order from CIS or SLA $1.60 62-24578

Trans. in French of Ukrain[skii] Khim[icheskii] Zh[urnal] (USSR) 1960, v. 26, no. 5, p. 616-620.

DESCRIPTORS: *Porous materials, *Sintering, Powder alloys, *Additives, Oxides, Copper, Iron, Silver.

(Chemistry--Physical, TT, v. 8, no. 3)

62-24578

I. Andrievskii, R. A.
II. Fedorchenko, I. M.
III. CEA-tr-R1456
IV. Commissariat à l'Énergie Atomique (France)

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

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On the Constancy of Tangential Rupture in a Rarefied Plasma, by L. D. Pichakhchi, 8 pp.

UKRAINIAN, per, Ukrain Fiz Zhur, Vol VI, No 1, 1961, pp 86-92. 9669413

FTD-TT-63 184

Sci-Phys
July 63

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

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Influence of Special Factors on Properties of Dye Containing Diphenyl Nucleus, 6 pp.

RUSSIAN, per, Ukrain Khim Zhur, Vol XXVII, No 1, 1961, pp 94-97.

CIA/FDD XX-1179
NOT RELEASABLE TO FOREIGN NATIONALS

Sci

198,432

May 62

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Crystalline Double Salts of Lead Iodide, by
A. M. Golub, G. I. Golodets, 7 pp.

RUSSIAN, per, Ukrain Khim Zhur, Vol XXVII, No 2,
1961, pp 138-141.

CIA/FDD XX-1313
NO FOREIGN DISSEM
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Sci --~~Phys~~--

218,170

Dec 62

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

Ostroverkhov, V. G, and Shilov, E. A.
ÉTUDE SUR LA THÉORIE DES ADDITIONS NUCLÉOPHILES. VII. DE LA POSSIBILITÉ DE RÉACTIONS D'ADDITION SOUS L'ACTION D'AGENTS NUCLÉOPHILES FAIBLES SUR DES MOLÉCULES À LIAISON DOUBLE (Issledovanie po Teorii Nukleofil'nykh pri Soedinenii VII) (Theory of Nucleophilic additions. VII. Possibility of addition in the Action of Weak Nucleophiles on Molecules with double Bonds). 9p (foreign text included) 10 refs FR-2332.
Order from OTS, STC or CNRS $0.80 62-26428

Trans. in French of Ukrainskii Khimicheskii Zhurnal (USSR) 1961, v. 27, no. 2, p. 209-212.

DESCRIPTORS: Molecules, Chemical bonds, *Addition reactions.

(Chemistry, TT, v. 10, no. 10)

62-26428

I. Ostroverkhov, V. G.
II. Shilov, E. A.
III. F/R-2332
IV. Centre National de la Recherche Scientifique
V. Title: Possibility . . .

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

Cyanine Dyes Derived From 2-Methylanthraquinono-(1',2':3,4)-Imidazole, by A. V. Stetsenko, G. V. Chernyavskiy, 5 pp.

RUSSIAN, per, Ukrain Khim Zhur, Vol XXVII, No 2, 1961, pp 237-240.

CIA/FDD XX-1178
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(SF-1878)

Sergey Stepanovich Urazovskiy, by A. Ye. Lutskiy, V. I. Atroshchenko, A. V. Voronov, 9 pp.

RUSSIAN, per, Ukrainskiy Khim Zhur, Vol XXVII, No 2, 1961, pp 274-278.

JPRS 4780

USSR

Biog

Aug 61

162152

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

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(SP-1878)

The Fourth Ukrainian Conference on Physical Chemistry, by A. B. Afanas'yev, 5 pp.

RUSSIAN, per, Ukrain Khim Zhur, Vol XXVII, No 4, 1961.

JPRS 13033

Sci - Misc

189,482

Mar 62

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

Babenko, A. S. and Tolmachev, V. N.
TRIPLE COMPLEX COMPOUNDS IN THE METAL ION-NITRON-(THIOCYANOGEN) ION SYSTEM. [1963] 14p 4Brefs
Order from OTS, S.A., or ETC $1.60 TT-64-10711

Trans. of Ukrainskii Khimicheskii Zhurnal (USSR) 1961, v. 27 [no. 6] p. 732-739. (Abstract available)

DESCRIPTORS: *Complex compounds, *Sequestering agents, *Thiocyanates, Nitrogen compounds, Ethylenes, Chlorides, Metals, Chemical analysis.

Complexing in the metal ion-nitron-thiocyanate system was investigated qualitatively. Of 62 metal ions tested, 22 ions form triple complexes extractable with ethylene dichloride. Thirteen metal ions form colored extractable complexes for which absorption spectra were obtained. On the basis of a comparison of the data in the literature and experimental results the conclusion may (Chemistry--Analytical, TT, v. 11, no. 9) (over)

TT-64-10711

1. Title: Nitron thiocyanate
I. Babenko, A. S.
II. Tolmachev, V. N.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

Reaction of the Derivatives of Symmetrical Triazine. 1. Studies on the Reaction of Cyanuric Acid With the Alpha-oxides.

RUSSIAN, per, Ukrain Khim Zhur, Vol XXVIII, No 1, 1962, pp 94-101.

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Effect of Small Additions of Metals on Surface Phenoma During the Process of Hot Zinc Coating, by A.K. Ryabov, N.N. Gratsyanskii.
RUSSIAN, per, UKR. Khim. Zhur., Vol. 28, No. 1, 1962, pp 121-124
NRC/Ref C-4151

Sci -
July 1967

334-607

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

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A Study of the Silver Sulfite Complex, by
A. M. Nazaretyan, F. K. Andryushchenko, 5 pp.

UKRAINIAN, per, Ukrainkskiy Khim Zhur, Vol XXIX, No 5, 1963, pp 484-487.

CIA/FDD XX-1582
NO FOREIGN DISSEM

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Oct 64
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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

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The Mass-Spectrometric Investigation of the Degassing of Molybdenum, Tungsten and Niobium when Heated in a Vacuum, by I. N. Ryabchikov, 16 pp.
RUSSIAN, per, Ukr. Fiz. Zh, Vol 9, 1964, pp 293-302. P911303667
AEC ORNL Tr-1702

Sci-Chem
Sept 67

341,532

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

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Interaction of Dyes With High-Molecular Substances, by M. V. Savostyanova, 59 pp.

RUSSIAN, per, Uspekhi Khimii, Vol XXXII, No 10, 1963, pp 1233-1269.

CIA/FDD XX-1654
NO FOREIGN DISSEM

Sci
Jan 65
USIB Internal Use Only

271,433

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

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The Self-Focusing of Light in NaCl Crystals,
by M. S. Brodin, V. M. Vatul'ov, 7 pp.
RUSSIAN, per. Ukrainskiy fizicheskiy zhurnal,
Vol 11, 1966, pp 1151-1153.
P911301267
AEC UCRL Tr-10109

Sci-Phys
Sept 67

341,521

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

Rhodanide Cpmplexes of Thallium. Communication No II, by A. M. Golub, Ye. P. Skorobogat'ko.
UKRAINIAN, per, Ukr Khim Zh, Vol 27, No 1, 1961, pp 16-22.
NTC 69-12472-07B

Sci-Chem
Aug 69 388,520

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

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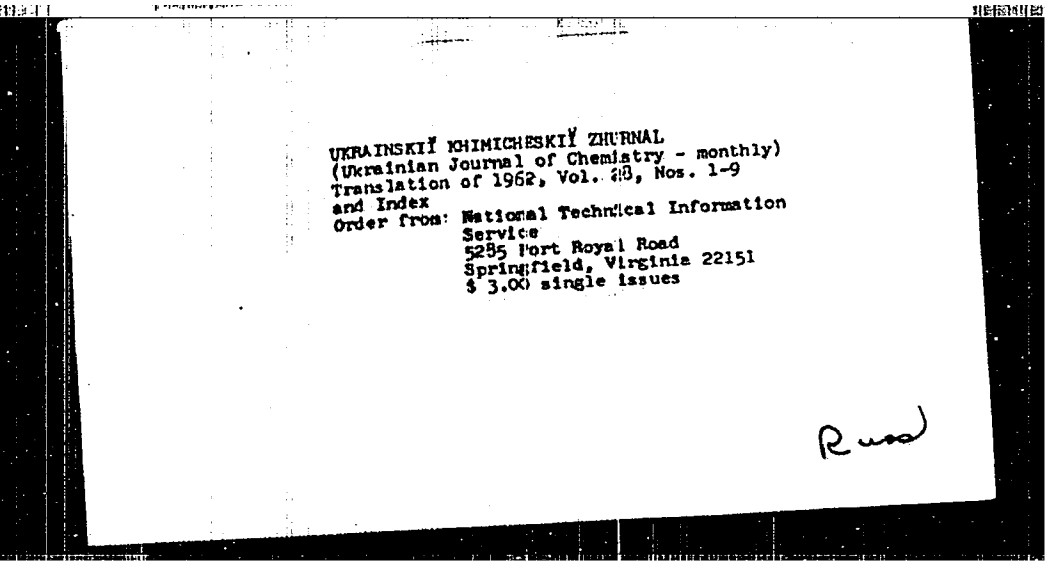

UKRAINSKIĬ KHIMICHESKIĬ ZHURNAL
(Ukrainian Journal of Chemistry - monthly)
Translation of 1962, Vol. 28, Nos. 1-9
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THE PRESENT STATE AND TASKS OF INORGANIC CHEMISTRY IN THE UKRAINE, BY YU. K. DELIMARSKIY, I. A. SHEKA, 23 PP.

RUSSIAN, PER, UKRAIN KHIM ZHUR, VOL XXVIII, NO 1, 1962, PP 3-14.

NLL TR BULLETIN
VOL 4, NO 8, 1962

SCI - CHEM

212,998

OCT 62

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

Study of the Interaction of Hydrogen Peroxide With Calcium and Barium Peroxides by the Isotope Method, by V. A. Lunenok-Burmakina, A. P. Potemskaya, 9 pp.

RUSSIAN, per, Ukrainskiy Khimicheskiy Zhurnal, Vol. XXVIII, No 1, 1962, pp 40-52.

Navy Tr 3287/NRL 906

Sci - Chem
Jan 63

OTS 63-11528 219,886

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

(SF-1878)

Nikolay Arkad'yevich Izmaylov, by
A. M. Shkodin, V. V. Aleksandrov, etc.,
31 pp.

RUSSIAN, per, Ukrainskiy Khim Zhur, No 2,
1962, pp 271-282.

JPRS 14831

USSR
Biog
Aug 62

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

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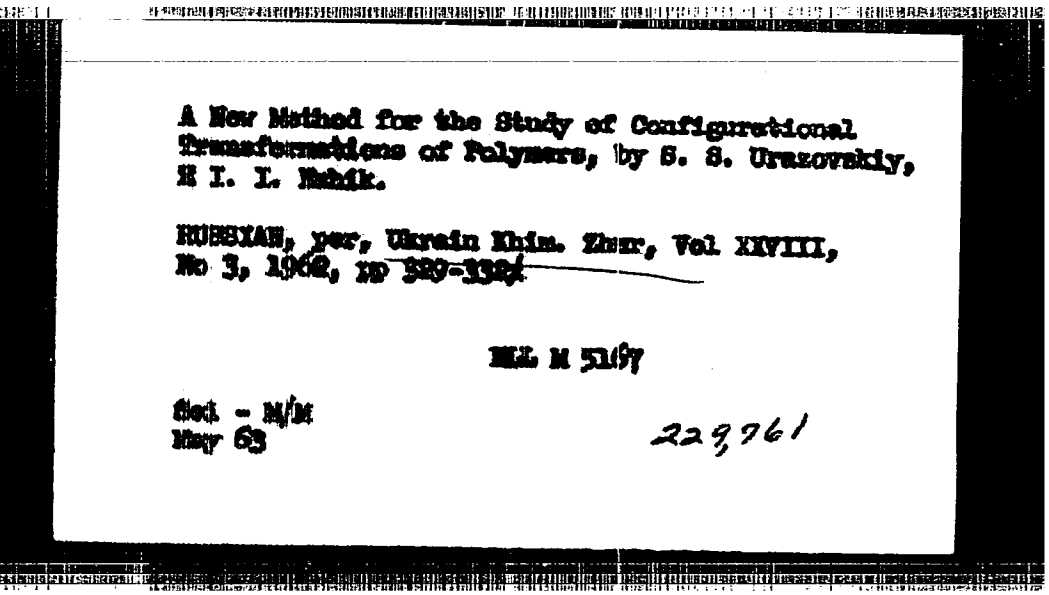

A New Method for the Study of Configurational Transformations of Polymers, by S. S. Urazovskiy, M I. I. Rabik.

RUSSIAN, per, Ukrain Khim. Zhur, Vol XXVIII, No 3, 1962, pp 329-332

MIL M 5197

Mol - M/M
May 63

229761

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

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(DC-6950)

SEVENTH UKRAINIAN REPUBLIC CONFERENCE ON ORGANIC CHEMISTRY, 17 PP.

RUSSIAN, PER, UKRAINSKIY KHIMICHESKIY ZHURNAL, VOL XXVIII, NO 3, 1962, PP 412-417.

JPRS 14745

SCI - CHEM

AUG 62

206,210

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

Solubility of Titanium, Kirconium, and Hafnium Oxides in Molten Alkali Metal Fluorides, by Yu. K. Delimarskiy, G. G. Buderskaya, 7 pp.

RUSSIAN, pub, Ukrain Khim Zhur, Vol XXVIII, No 5, 1962, pp 565-570. 9207639

AEC-Tr-5601

Sci - Chem
Jun 63

231,871

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

Study of Gallium Oxalates, by L. I. Dubovenko.

RUSSIAN, per, Ukrain Khim Zhur, Vol XXVIII, 1962, pp 675-681.

SLA 63-14463

Sci - Chem
6 Feb 63

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

Pamfilov, A. V., Mushii, R. Ya., and Mazurkevich, Ya. S.
PHOTOCATALYTIC ACTIVITY OF ANATASE AND RUTILE. [1963] 7p. (figs. tables omitted) 22 refs.
Order from OTS or SLA $1.10 63-16533

Trans. of Ukrainskii Khimicheskii Zhurnal (USSR) 1962, v. 28, no. 5, p. 589-594.

DESCRIPTORS: *Titanium compounds, *Oxides, *Dioxides, *Photochemistry, Photoelectric effect, *Catalysis, Hydrolysis, Chlorides, Annealing.

The photocatalytic activity of rutile, obtained by the hydrolysis of titanium tetrachloride, is considerably higher than the activity of rutile, obtained by annealing anatase at high temperature. The activity of rutile, obtained by the hydrolysis of $TiCl_4$ and related to a unit of surface, almost coincides with the activity of anatase, also obtained from $TiCl_4$ by the precipitation of ammo-
(Chemistry--Physical, TT, v. 10, no. 9) (over)

63-16533

1. Title: Anatase
I. Pamfilov, A. V.
II. Mushii, R. Ya.
III. Mazurkevich, Ya. S.

Office of Technical Services

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Study of Indium Oxalates, by L. I. Dubovenko.

RUSSIAN, per, Ukrain Khim Zhur, Vol XXVIII, 1962, pp 682-687.

SLA

OTS 63-10738

Sci - Chem
6 Feb 63

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

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Shapovalova, L. P., Gorokhovatskii, Ya. B., and Rubanik, M. Ya.
OXIDATION OF UNSATURATED HYDROCARBONS ON A COPPER CATALYST. [1963] 8p.
Order from ATS $11.50 ATS-16Q68R

Trans. of Ukr[ainskii] Khim[icheskii] Zh[urnal] (USSR) 1962, v. 28, no. 9, p. 1031-1036.

DESCRIPTORS: *Oxidation, *Hydrocarbons, *Copper, Catalysts.

(Chemistry--Organic, TT, v. 10, no. 3)

63-17377

I. Shapovalova, L. P.
II. Gorokhovatskii, Ya. B.
III. Rubanik, M. Ya.
IV. ATS-16Q68R
V. Associated Technical Services, Inc., East Orange, N. J.

ICE 10/3, No 3

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Romankevich, M. Ya., Sinyavskii, V. G., and Tsygankova, M. P.
SYNTHESIS AND INVESTIGATION OF SELECTIVE POLYELECTROLYTES, PT. I. [1963] 8p 14refs
Order from OTS, SLA, or ETC $1.10 TT-64-10485

Trans. of Ukrain[skii] Khim[icheskii] Zhur[nal] (USSR) 1962, v. 28 [no. 9] p. 1096-1099. (Abstract available)

DESCRIPTORS: *Ion exchange resins, Electrolytes, *Styrene plastics, Synthesis (Chemistry) Nitration, Addition reactions, Metals, Ions, Separation,

Polynitrostyrene, polyaminostyrene and their diazotization coupling products with: p-cresol, p-nitrophenol, β-naphthol, resorcinol, anilid of acetoacetic acid, benzazoacetoresorcinol, pyrogallol, 8-oxyquinoline, acetanilid, 1-phenyl-3-methyl-pyrazolone-5, salicylic acid, gallic acid, anthranilic acid, chromotropic acid, (Chemistry, TT, v. 11, no. 9) (over)

TT-64-10485

1. Title: Polyaminostyrene
2. Title: Polynitrostyrene
I. Romankevich, M. Ya.
II. Sinyavskii, V. G.
III. Tsygankova, M. P.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

The Derivatives of Aniline and Phenol as Effective Inhibitors of Titanium Corrosion in Hydrochloric Acid, by A. P. Brynza and L. I. Gerasyutina,
RUSSIAN, per, Ukrainskiy Khimicheskiy Zhurnal, Vol XXVIII, No 9, 1963, pp 1060-1068.
MLL RTS #747 (On Loan or Purchase)

Sci-Chem
Mar 67 321,454

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890026-0

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